



**FOR IMMEDIATE RELEASE**

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**PASSIVE PLUS, INC. BROADBAND RESISTOR – 1209 CASE SIZE**

**Huntington, New York – November, 2019**

PPI 1209 Broadband Resistors are specifically designed to operate at frequencies **up to 67 GHz**. With special microwave laser-trimming used to ensure a tight tolerance at high frequencies, these Broadband Resistors are wire bondable, solderable, and can be used in a flip-chip configuration. **Available in full or recessed pad.**

**Applications:** Optical Transceiver Modules, Broadband Receiver, TOSA/ROSA, Broadband Test Equipment, Low Noise Amplifiers, MMIC Amplifiers, 5G

**Markets:** Opto-Electronics, Telecom, Broadband, Military, Satellite Communication

**Product Features:**

Case Size <i>mils</i>	Standard Resistance	Resistance Range	Power*
1209 (.012" x .009")	50 / 100Ω	4 - 500	400 mW max

*\*Substrate Dependent*

**Specifications:**

<b>Operating Frequency (Typical)</b>	DC to 67 GHz
<b>Insertion Loss</b>	50 - 3.5dB ± 2dB typical 100Ω - 6.0dB ± 2dB typical
<b>Operating Temperature Range</b>	55°C to +150°C
<b>Resistive Material</b>	Tantalum Nitride (TaN)
<b>Temperature Coefficient</b>	± 150 ppm/°C*; ± 100 ppm/°C; ± 50 ppm/°C
<b>Resistance Tolerance</b>	1%*; (other tolerances available)
<b>Substrates Available</b>	Alumina (Al <sub>2</sub> O <sub>3</sub> )*; Beryllium Oxide (BeO); Aluminum Nitride (AlN)
<b>Metallization</b>	A = Tantalum/Palladium/Gold (TaN/Pd/Au) R = Titanium/Platinum/Gold (Ti/Pt/Au)

*\*standard*

Passive Plus, Inc. (PPI) is a manufacturer of high-performance RF/Microwave passive components for the Medical, Semiconductor, Military, Broadcast, and Telecommunications Industries.

PPI specializes in High-Q, Low ESR/ESL Capacitors, Broadband Capacitors, Single Layer Capacitors, Non-Magnetic Resistors (High Power and Thin Film) and Trimmer Capacitors.

PPI is ISO9001:2015 certified.

Passive Plus, Inc. (PPI) is known for our outstanding Customer Service, high quality product line, competitive pricing, and quick delivery times. While other companies are pushing out their lead-times for product delivery, PPI is committed to being able to deliver product as quickly as possible. As PPI tries to keep a full inventory in stock, depending on the capacitor and quantities needed, delivery times can be stock to 2-4 weeks.

Contact Passive Plus directly at (631) 425-0938 or [sales@passiveplus.com](mailto:sales@passiveplus.com) for quotes, pricing, orders, custom requests or specific engineering questions.

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